

Inside Wallops

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Goddard Space Flight Center
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NASA Langley Research Center's 90th Anniversary Open House

Saturday, October 27, 2007
10 a.m. to 4 p.m.

On April 25, 1945, during World War II, Congress approved the appropriation of funds for the construction of an auxiliary flight station, and the National Advisory Committee for Aeronautics (NACA) approved Langley Laboratory's recommendation to locate the station on Wallops Island.

The stage was set for a long relationship that continues even today when the Wallops Flight Center (WFC) was established as an auxiliary base of the NACA Langley Laboratory at Langley Field. The auxiliary base was to provide a test range for guided missile flight research, initially at subsonic speeds but with plans for extending the research into the transonic and supersonic speed ranges. WFC operated under the NACA until NASA was created in 1958. At that time Wallops was made a separate station reporting directly to NASA Headquarters.

NASA Langley Research Center is celebrating its 90th anniversary with a rare open house this Saturday, October 27. This is an opportunity to learn about Langley's history, its accomplishments and vision for the future. Children's activities will take place throughout the day. There will be a picnic lunch from 11 a.m. to 2 p.m. at \$5 per person.

Many labs and buildings will be open for tours including the following:

Structures and Materials Lab

See NASA's latest mock-up of a possible lunar habitat.

Atmospheric Science & Science Theater

Learn about Earth's atmosphere and human interaction with it. See a magic planet display and a 3-D virtual environment.

Flight Test Article Development

Building 1232A. Microelectronics and advanced machining fabrication technologies. Aerospace composite models and new space exploration vehicle designs.

Hangar

See NASA's OV-10 Bronco, Beechcraft B200 King Air, Cirrus SR-22, Cessna 206H and Lancair Columbia 300. Display panels of NASA Aeronautics Mission, past contributions to military and civilian aircraft, current projects.

Landing and Impact Dynamics

Open 10 a.m. to noon only.

See where NASA drops models of the next spacecraft — Orion — to study how it lands.



Flight Simulation Facilities

See three of NASA's cockpit motion flight simulators.

14x22 Foot Tunnel

See where NASA researchers study aircraft takeoff and landing performance.

Aircraft Engine Noise Reduction

See how NASA researches sound and develops aircraft noise control concepts.

Aircraft Landing Dynamics Facility

There will be three test runs of the ALDF carriage. Tours of the facility will continue throughout the day.

For further information visit:

<http://www.nasa.gov/centers/langley/events/openhouse.html>



Photo by Lee Wingfield

Protecting our Delicate Shore Line

The Wallops Environmental Office and the Facilities Management Branch sponsored a Beach/Dune Grass Planting Party on the south end of Wallops Island on October 18. Hotdogs and chips were provided by the Wallops Exchange and Morale Association (WEMA), the Navy's Surface Combat Systems Center (SCSC) supplied sodas and a grill, baked beans were provided by NASA's Management Operations Directorate, brownies from EG&G and a second grill from VT Griffin.

The beautiful weather, food, and "can-do" spirit brought out around 100 people from across the Facility and some help from the Navy to help stabilize the unprotected southern end of Wallops Island. Everyone pitched in to plant about 20,000 stems of American Beach grass along approximately 2,300 feet of man-made dune behind the recently installed Geotube project.

Costello's Mission Assessment

12.059 launched from White Sands Missile Range, N.M.
June 21, 2007

"NSROC (NASA Sounding Rocket Operations Contract) personnel performance on this mission was outstanding in all respects. Bruce Scott ran a flawless operation. Charles Kupelian and Neil Shoemaker, who designed and developed the Celestial ACS (Attitude Control System) deserve much credit for its success. In particular, the fine pitch and yaw control system, which replaced pneumatic solenoid valves with continuously variable pneumatic pressure control valves, was the brilliant innovation of Neil Shoemaker, who also developed all of the control software for the system. This was not an easy task given the low bandwidth of the pressure controllers. Jerry Doyon contributed expert pneumatic systems engineering of the tri-level module.

All other NSROC personnel who contributed to this mission were to a fault professional and enthusiastic and they were a joy to work with.

Overall, although comprehensive success was not achieved, this was a major leap forward in the development of the Celestial ACS, which demonstrated complete success only a few months after this flight."

Walt Costello
NSROC Guidance & Navigation Control

Award Nominations Being Accepted

The annual Robert L. Krieger and Safety Awards will be presented at the Wallops Awards Ceremony on December 7. Nominations will be accepted for these awards until November 2.

Robert L. Krieger Award

Robert L. Krieger was a guiding force in the formation of NASA's Wallops Flight Facility. He assumed leadership of Wallops in 1948 and retired as Center Director in 1981. He led and fostered a can-do-environment for the execution of missions, science, engineering, operations and outreach at Wallops.

The Robert L. Krieger Award is presented annually to an individual and a group who best represent the Wallops culture.

Wallops Safety Award

Safety of employees, the public, property and the mission is one of the core values of NASA, the Goddard Space Flight Center and the Wallops Flight Facility.

The Safety Award recognizes an individual and a group who have contributed significantly to mission or workplace safety.

Send completed nomination forms to Brenda Dingwall, Bldg. E-105 or by email to: Brenda.J.Dingwall@nasa.gov For further information or a nomination form email: Keith.A.Koehler@nasa.gov

Wallops Shorts..... On the Road

Felipe Arroyo, NASA Electrical Engineering Branch, was the guest speaker for the National Science Honor Society induction ceremony at Parkside High School, Salisbury, MD., on October 15.

Back By Popular Demand

The world famous See's chocolate candy bars are now on sale again at the Wallops Exchange in Building E2. Come in and stock up for Halloween – the kids love them.

Diversity Council Words to Live by

"Choose equality".....Matthew Arnold

OneNASA Email Address

The NASA Operational Messaging & Directory Service (NOMAD) service uses OneNASA addresses. Other employee email address references will be phased out.

All NASA employees and contractors are strongly encouraged to start using their OneNASA email address. Correspondents both inside and outside NASA should be notified of the new OneNASA address.

To find out what your OneNASA email address is go to:
<https://onenasa.ndc.nasa.gov/Index.cfm>
and search on your name

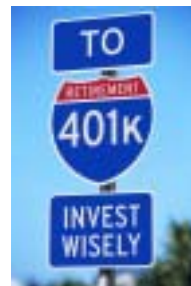
Investment Day

October 24

9 a.m. to 4 p.m.

Credit Union, Building N-133

Financial advisor, Erdal Elmas, will be available to meet with employees on a one-to-one basis to discuss financial and investment plans, retirement strategies, direct rollovers and IRA transfers. There is no cost or obligation. To learn more, call 1-888-627-2328, x 650.



Halloween at the Rocket Club

Wednesday, October 31, 2007

5 p.m. in Building F-3



Come on by and visit with ghosts and goblins, have a snack and a bit of Witches Brew. Wear a

costume or come as you are.

Sponsored by the Wallops Exchange and Morale Association, Moral Activities Committee.

Influenza Vaccinations



The Health Unit has a supply of inactivated influenza vaccine. This is not a live virus vaccine.

With an inactivated influenza vaccine, there is no risk of developing influenza from the vaccine

The vaccine will be administered, by appointment only, until the supply is exhausted.

For further information or to schedule an appointment, call the Health Unit at x1266.

Inside Wallops is an official publication of Goddard Space Flight Center and is published by the Wallops Office of Public Affairs, Extension 1584, in the interest of Wallops employees. Recent and past issues of *Inside Wallops* also may be found at: <http://www.nasa.gov/centers/wallops/news/newsletters.html>

Editor

Betty Flowers